2003
Virginia Department of Transportation
Daily Traffic Volume Estimates
Including Vehicle Classification Estimates

where available

Special Locality Report
117

City of Lexington

Prepared By

Virginia Department of Transportation
Mobility Management Division

In Cooperation With

U.S. Department of Transportation
Federal Highway Administration

Virginia Department of Transportation
Mobility Management Division
Traffic Monitoring Section

The Virginia Department of Transportation (VDOT) conducts a program where traffic count data are gathered from sensors in or along streets and highways and other sources. From these data, estimates of the average number of vehicles that traveled each segment of road are calculated. VDOT periodically publishes booklets listing these estimates.

One of these booklets, titled "Average Daily Traffic Volumes with Vehicle Classification Data, on Interstate, Arterial and Primary Routes" includes a list of each Interstate and Primary highway segment with the estimated Annual Average Daily Traffic (AADT) for that segment. AADT is the total annual traffic estimate divided by the number of days in the year. This booklet also includes information such as estimates of the percentage of the AADT made up by 6 different vehicle types, ranging from cars to double trailer trucks; estimated Annual Average Weekday Traffic (AAWDT), which is the number of vehicles estimated to have traveled the segment of highway during a 24 hour weekday averaged over the year; as well as Peak Hour and Peak Direction factors used by planners to formulate design criteria.

In addition to the Primary and Interstate publication, one hundred books are published periodically, one for each of 100 areas across the state defined by VDOT for record-keeping purposes. These books include traffic volume estimates for roads within the county, cities, and towns within the area. These books are titled "Daily Traffic Volumes Including Vehicle Classification Estimates, where available; Jurisdiction Report numbers 00 through 99".

Also available are a number of reports summarizing the average Vehicle Miles Traveled (VMT) in selected jurisdictions and other categories of highways. There are many different ways to present traffic volume summary information. Because the user determines the value of each presentation, the reports have been redesigned based on user requests and feedback. The people at VDOT Mobility Management's Traffic Monitoring Section who produce these books welcome requests for other helpful ways of presenting the summary information.

A compact disc (CD) is available that includes files in the Adobe® Portable Document Format (PDF) that can be displayed, searched, and printed using common desktop computer equipment. The CD includes the publications described above as well as a number of other reports, including specialized VMT summaries and smaller AADT reports for each city and town separately.

Publication Notes

Parallel Roads

For road inventory and management purposes, some roadways are counted separately by direction and have separately published traffic estimates for each direction of travel. Examples of such roadways are the interstate system and routes with separated facilities and (usually) one-way traffic facilities in urban areas. In these publications, they are referred to as parallel roads. As a convenience for the users of the publication, the listing for segments of roads with parallel segments are published with both the traffic estimates for their own direction of travel (e.g. I-95 Northbound) as well as the estimate of the total of all traffic on the same route including parallel roadways (all directions of I-95). The publication will have a "Combined Traffic Estimates for Parallel Roadways on this Route" or "Combined Traffic" identifiers for the combined direction of travel estimates.

Roadways such as I-395 with a North segment, a South segment and a separate Reversible lane segment will have the estimate for more than two parallel roadways included in the entire combined traffic estimate.

Some routes have very complicated paths through cities and towns. These parallel paths may be too complex to allow a relationship between nearby sections of the opposite direction on the same route. In this case, to indicate that the traffic estimates for such a road segment may not include all directions of traffic on that route, the line that would list the combined values will indicate "NA" for not available.

VDOT's traffic monitoring program includes more than 100,000 segments of roads and highways ranging from several mile sections of Interstate highways to very short sections of city streets. Due to problems experienced obtaining some traffic count data, and the level of quality necessary to maintain confidence in the data, no estimate is currently available for some segments of roadway. These segments are included in the publications indicating "NA" for not available. It is the intention of the VDOT's Mobility Management Traffic Monitoring group to obtain the data necessary and to report traffic volume estimates on all road segments included in these publications.

Many of the road segments in this program are local secondary roads. The amount and detail of data collected on these roads are not as great as the data collected on higher volume roads. The vehicle classification, average weekday traffic volumes, and the theoretical design hour traffic volumes are not calculated for these roads. The publications indicate "NA" for the information that is not available.

This publication is based on a traffic monitoring program initiated in 1997. Because the data collection techniques and statistical evaluation processes are different than those used in previous years, comparison with previous publications may be misleading.

Glossary of Terms:

Route: The Route Number assigned to this segment of roadway with the master inventory route number if this is an overlapping route, with official street or highway name if available.

Length: Length of the traffic segment in miles.

AADT: Annual Average Daily Traffic. The estimate of typical daily traffic on a road segment for all days of the week, Sunday through Saturday, over the period of one year.

QA: Quality of AADT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- H Historical Estimate
- M Manual Uncounted Estimate
- N AADT of Similar Neighboring Traffic Link
- O Provided By External Source
- R Raw Traffic Count, Unfactored

4Tire: Percentage of the traffic volume made up of motorcycles, passenger cars, vans and pickup trucks.

Bus: Percentage of the traffic volume made up of busses.

2Axle Truck: Percentage of the traffic volume made up of 2 axle single unit trucks (not including pickups and vans).

3+Axle Truck: Percentage of the traffic volume made up of single unit trucks with three or more axles.

1Trail Truck: Percentage of the traffic volume made up of units with a single trailer.

2Trail Truck: Percentage of the traffic volume made up of units with more than one trailer.

QC: Quality of Classification Data:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- C Short Term Classified Traffic Count Data
- F Factored Short Term Traffic Count Data
- H Historical Estimate
- M Mass Collective Average
- N Classification Estimates of Similar Neighboring Traffic Link

K Factor: The estimate of the portion of the traffic volume traveling during the peak hour or design hour.

QK: Quality of the Peak Hour estimate:

- A Factor based on 30th Highest Hour Observed During at least 250 days of Continuous Traffic Data
- B Factor based on other Hour Observed During Less than 250 days of Continuous Traffic Data
- F Factor based on Highest Hour Collected at in a 48 Hour Weekday Period
- M Factor based on Manual Estimate of design hour
- N Peak Hour Factor of Similar Neighboring Traffic Link
- O Provided by External Source

Dir Factor: The estimate of the portion of the traffic volume traveling in the peak direction during the peak hour..

AAWDT: Average Annual Weekday Traffic. The estimate of typical traffic over the period of one year for the days between Monday through Thursday inclusive.

QW: Quality of AAWDT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- M Manual Uncounted Estimate
- N AAWDT of Similar Neighboring Traffic Link
- O Provided by External Source

Year: Year for which the published values are appropriate. If the Quality of AADT (QA) is "R", the year is the year that the raw traffic count was collected, and if available,

Route Shield Legend

Route Systems

Interstate Route

Traffic volume data for Interstate Routes and some other routes are reported separately by direction, as well as combined.

US Route

Virginia State Route

Secondary Route

Special Routes

Bus - Business Route
Bypas - Bypass Route
Truck - Truck Route

ALT - Alternate Route
Wve - Wve Route connector

P - Parallel Route; Southbound or Westbound direction lanes of a numbered route where they are on a different road facility than the other direction.

The VDOT Maintainenance Jurisdiction number is displayed below the Secondary Route Number if the Maintenance Jurisdiction is different than the jurisdiction in the title of the report.

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Annual Average Daily Traffic Volume Estimates By Section of Route
City of Lexington

Route	Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
City of Lexington																
				From: SCL Lexington												
11	0.59	**9800**	**G**	93%	1%	3%	2%	1%	0%	C	0.09	F	0.518	10000	G	2003
				To: Main St												
11	0.04	**9800**	**G**	93%	1%	3%	2%	1%	0%	F	0.088	F	0.515	10000	G	2003
				To: Bus US 11												
11	0.08	**18000**	**G**	95%	1%	3%	1%	1%	0%	F	0.092	F	0.52	19000	G	2003
				To: NCL Lexington												
				From: SCL Lexington												
Bus 11 Main St	0.39	**3600**	**G**	97%	1%	2%	0%	0%	0%	C	0.100	F	0.608	3900	G	2003
				To: Thornhill Rd												
Bus 11 Main St	0.16	**6100**	**G**	97%	1%	2%	0%	0%	0%	F	0.096	F	0.651	6500	G	2003
				To: Wallace St												
Bus 11 Main St	0.31	**5600**	**G**	97%	1%	2%	0%	0%	0%	F	0.103	F	0.661	6000	G	2003
				To: White St												
Bus 11 Main St	0.31	**3800**	**G**	98%	0%	1%	0%	0%	0%	F	0.115	F	0.557	4000	G	2003
Combined Traffic:		**6300**	**G**	98%	0%	1%	0%	0%	0%	F	NA			6700	G	
				To: Nelson St												
Bus 11 Main St	0.24	**6000**	**G**	98%	0%	1%	0%	0%	0%	F	0.082	F		6300	G	2003
Combined Traffic:		**10000**	**G**	98%	0%	1%	0%	0%	0%	F	NA			11000	G	
				To: Jefferson St												
Bus 11 Main St	0.37	**8700**	**G**	98%	0%	1%	0%	0%	0%	F	0.084	F	0.558	9200	G	2003
				To: Letcher St												
Bus 11 Main St	0.34	**9100**	**G**	98%	0%	1%	0%	0%	0%	C	0.084	F	0.515	9600	G	2003
				To: US 11												
				From: Bus US 11 Main St												
Bus 11P	0.35	**2500**	**G**	98%	0%	1%	0%	0%	0%	F	0.122	F		2700	G	2003
Combined Traffic:		**6300**	**G**	98%	0%	1%	0%	0%	0%	F	NA			6700	G	
				To: US 60 Nelson St												
Bus 11P	0.24	**4400**	**G**	98%	0%	1%	0%	0%	0%	F	0.108	F		4600	G	2003
Combined Traffic:		**10000**	**G**	98%	0%	1%	0%	0%	0%	F	NA			11000	G	
				To: Bus US 11 Main St												
				From: WCL Lexington												
60 Nelson Street	0.25	**4600**	**G**	97%	1%	2%	0%	1%	0%	C	0.081	F	0.641	4900	G	2003
				To: Woods Creek												
60 Nelson Steet	0.33	**8100**	**G**	97%	1%	2%	0%	1%	0%	F	0.083	F	0.542	8600	G	2003
				To: Glasgow Street												
60 Nelson Street	0.14	**8700**	**G**	97%	1%	2%	0%	1%	0%	F	0.081	F	0.526	9200	G	2003
				To: Lee Street												
60 Nelson Street	0.17	**8300**	**G**	96%	0%	1%	1%	1%	0%	F	0.077	F	0.505	8800	G	2003
				To: Randolph Street												
60 Nelson Street	0.21	**12000**	**G**	96%	0%	1%	1%	1%	0%	F	0.086	F	0.547	13000	G	2003
				To: Lewis Street												
60 Nelson Street	0.35	**11000**	**G**	96%	0%	1%	1%	1%	0%	C	0.088	F	0.582	12000	G	2003
				To: ECL Lexington												
				From: McCormick Ave												
251 Thornhill Rd	0.38	**4900**	**G**	95%	1%	2%	1%	1%	0%	C	0.103	F	0.636	5200	G	2003
				To: Link Rd												
				From: Thornhill Rd												
251 Link Rd	0.24	**4400**	**G**	95%	1%	2%	1%	1%	0%	F	0.102	F	0.641	4600	G	2003
				To: Main St												

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Route	Length	AADT	QA	4Tire	Bus	Truck				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
City of Lexington																
(1) Diamond St	0.36	**1500**	**G**	96%	0%	1%	2%	0%	0%	C	0.144	F	0.556	1600	G	2003
From: Lewis St																
To: Main St																
(2) Lee St	0.08	**2000**	**G**	98%	0%	1%	1%	0%	0%	C	0.106	F	0.604	2200	G	2003
From: Nelson St																
To: Washington St																
(4251) Thornhill Rd	0.38	**2200**	**G**	98%	0%	0%	1%	0%	0%	C	0.099	F	0.639	2300	G	2003
From: Link Rd																
To: Main St																
(4252) Enfield Rd	0.43	**1300**	**G**	97%	0%	1%	1%	0%	0%	F	0.103	F	0.595	1400	G	2003
From: WCL Lexington																
To: Lime Kiln Rd																
(4252) Lime Kiln Rd	0.32	**1800**	**G**	97%	0%	1%	1%	0%	0%	C	0.100	F	0.775	2000	G	2003
From: Enfield Rd																
To: McLaughlin St																
(4254) Ross Rd	0.31	**940**	**G**	99%	0%	1%	0%	0%	0%	F	0.114	F	0.648	1000	G	2003
From: WCL Lexington																
To: Jackson Ave																
(4254) Jackson Ave	0.27	**2100**	**G**	99%	0%	1%	0%	0%	0%	C	0.127	F	0.878	2200	G	2003
From: Ross Rd																
To: White St																
(4255) Houston St	0.40	**2300**	**G**	97%	0%	1%	2%	0%	0%	C	0.103	F	0.554	2400	G	2003
From: SCL Lexington																
To: Taylor St																
(4255) Houston St	0.15	**2500**	**G**	97%	0%	1%	2%	0%	0%	F	0.096	F	0.51	2600	G	2003
From: Taylor St																
To: Main St																
(4256) McDowell St	0.05	**620**	**G**	96%	0%	1%	1%	0%	0%	C	0.141	F	0.816	650	G	2003
From: Main St																
To: Jefferson St																
(4257) Walker St	0.40	**2600**	**G**	96%	1%	1%	2%	0%	0%	C	0.104	F	0.517	2800	G	2003
From: Houston St																
To: Nelson St																
(4258) Preston St	0.05	**2000**	**G**	96%	0%	1%	2%	0%	0%	C	0.104	F	0.549	2100	G	2003
From: Main St																
To: Jefferson St																
(4260) Henry St	0.05	**1200**	**G**	98%	0%	1%	1%	0%	0%	C	0.093	F	0.536	1300	G	2003
From: Main St																
To: Jefferson St																
(4261) Lewis St	0.08	**3700**	**G**	98%	0%	1%	1%	0%	0%	C	0.101	F	0.508	3900	G	2003
From: Nelson St																
To: Washington St																
(4261) Washington St	0.30	**3900**	**G**	98%	0%	1%	1%	0%	0%	F	0.091	F	0.503	4200	G	2003
From: Lewis St																
To: Main St																
(4261) Washington St	0.06	**5000**	**G**	98%	0%	1%	1%	0%	0%	F	0.088	F	0.517	5300	G	2003
From: Main St																
To: Jefferson St																
(4261) Washington St	0.06	**5500**	**G**	98%	0%	1%	1%	0%	0%	F	0.089	F	0.565	5900	G	2003
From: Jefferson St																
To: Lee St																
(4261) Washington St	0.21	**4500**	**G**	98%	0%	1%	1%	0%	0%	F	0.088	F	0.567	4700	G	2003
From: Lee St																
To: Nelson St																
(4262) Borden Rd	0.34	**760**	**G**	96%	0%	1%	2%	0%	0%	C	0.11	F	0.667	800	G	2003
From: WCL Lexington																
To: Nelson St																
(4263) Lewis St	0.33	**1400**	**G**	98%	0%	1%	0%	0%	0%	C	0.133	F	0.511	1500	G	2003
From: Washington St																
To: Diamond St																

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(4266) Spottswood Dr	0.40	**2300**	**G**	99%	0%	1%	0%	0%	0%	C	0.099	F	0.5	2500	G	2003
From: Houston St																
To: Nelson St																
(4267) White St	0.18	**940**	**G**	99%	0%	1%	0%	0%	0%	F	0.129	F		1000	G	2003
From: Jefferson St																
To: Mclaughlin St																
(4267) McLaughlin St	0.28	**2100**	**G**	98%	0%	1%	1%	0%	0%	C	0.097	F	0.579	2200	G	2003
From: White St																
To: Glasgow St																
(4267) Glasgow St	0.06	**1200**	**G**	94%	0%	1%	4%	0%	0%	C	0.098	F	0.537	1200	G	2003
From: McLaughlin St																
To: Nelson St																
Edmondson Ave		**190**	**G**								0.152	F	0.559	190	G	2003
From: Jackson Ave																
To: Main St																
Taylor St		**1400**	**G**								0.105	F	0.528	1500	G	2003
From: Wallace St																
To: Houston St																
Tucker St		**250**	**G**								0.103	F		260	G	2003
From: Washington St																
To: Massie St																